Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Saturday 13 Jan 2024 until 23:59 on Sunday 14 Jan 2024

Forecast Issued on Saturday 13 Jan 2024 at 02:06

Confidence: High for cloudy with patchy rain and snow for much of Saturday, then for mainly dry, cold and clear from Sunday.

Headline for Saturday 13 Jan 2024: Rather cloudy with some patchy rain and snow, clearing during the afternoon. Winds relatively light.

Mountain weather hazards on Saturday 13 Jan 2024

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Drizzle	Drizzle	Dull	Sunny intervals	Partly cloudy (night)	Partly cloudy (night)
Precipitation probability					
40%	40%	20%	<05%	00%	00%

Forecast for Saturday 13 Jan 2024

Weather: Rather cloudy with occasional patchy light rain, sleet and snow through to mid-day. This passes to the south during the early to mid-afternoon leaving a clear and cold but dry evening.

Chance of cloud-free hill tops above 800m: 20-30% becoming 90% plus from late afternoon.

Low cloud and visibility: Good becoming moderate or poor in rain and sleet, very poor in snow and within cloud with bases quite extensive from 600m at first, before lifting and breaking from early afternoon.

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Forecast for Saturday 13 Jan 2024

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	21/24 W	17/20 W	16/20 W	20/25 NW	22/27 N	19/23 NW	18/22 NW
600	16/21 W	12/17 W	13/17 W	14/19 NW	14/21 NW	13/19 NW	12/18 NW
300	5/19 NW	4/16 NW	6/15 NW	6/17 NW	6/19 NW	4/16 NW	4/14 NW
Valley	3/15 NW	1/12 NW	4/13 NW	4/14 NW	5/18 NW	6/17 NW	6/17 NW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	1/-6	2/-4	1/-5	-1/-8	-1/-8	-1/-8	-2/-8
600	2/-3	3/-2	2/-2	1/-4	0/-5	0/-5	-0/-5
300	3/1	4/2	5/3	4/1	2/-0	2/-0	2/-0
Valley	5/4	5/4	7/5	6/4	4/2	4/2	4/2
Freezing Level*	1200m	1100m	900m	700m	700m	700m	700m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Inversion bringing sub-zero layer below 300-600m at times during daylight hours. This will mean a changeable mix of rain, sleet and snow showers.

Forecast for Sunday 14 Jan 2024

Weather: Clear then sunny spells and mainly dry, but the odd light wintry shower cannot be ruled out, most of these confined to the morning. Cold in severe wind chill at height.

Maximum wind: North to northwest 15-20mph or less

Chance of cloud-free hill tops above 800m: 75%

Low cloud and visibility: Good or very good becoming moderate or poor in rain and sleet showers, very poor in snow showers and within cloud with bases infrequently lowering 600m.

Temperature: **Valleys:** Minus 2 Celsius rising 4 Celsius during afternoon
At 800m: Minus 4-5 Celsius
Freezing level: 300-400m by day

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Friday 12 January 2024. Location: Helvellyn summit at 12:40. Full report: A stunning day to be in the higher fells, not only for the views but also because it was warmer than down in the valleys and with almost no wind. A temperature inversion kept much of Cumbria under a blanket of cloud today where temperatures remained around 2 or 3ºC for much of the day. Conversely, anyone above 600-700m would have enjoyed a beautiful blue sky day and temperatures more in the region of 8 or 9ºC in the sunshine. The ground conditions are generally dry with just a few patches of ice that are easy to avoid at mid-elevations. Higher up, the fell top conditions remain similar to the past few days. On shaded slopes above 700m-800m, the ground is reasonably well frozen with rime ice, verglas (black ice), and a very thin cover of snow. By contrast, sunny slope aspects are generally clear. Small patches of old, compacted, and icy snow are also present on and around Helvellyn, notably on the exits to both Striding and Swirral edges. An ice axe and crampons/microspikes are advisable for these and similar steep and exposed routes in the area. Full winter clothing (waterproofs, extra warm layers, hat & gloves), and equipment including a headtorch, map, and compass are all essential. Temperature: plus 9.3 C, Maximum wind speed 2.2 mph, Wind chill: plus 8.9 C, Average wind speed: 1.6 mph

Issued at: 02:06 on Sat 13 Jan 2024

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